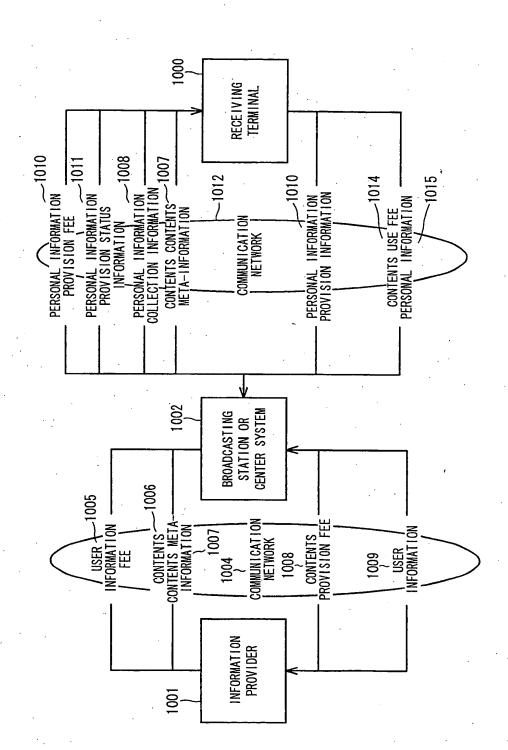
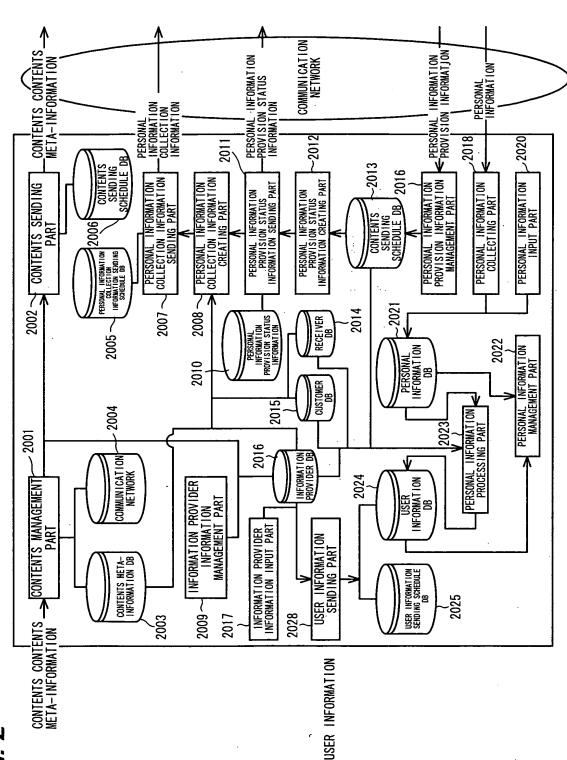
F/G. 1

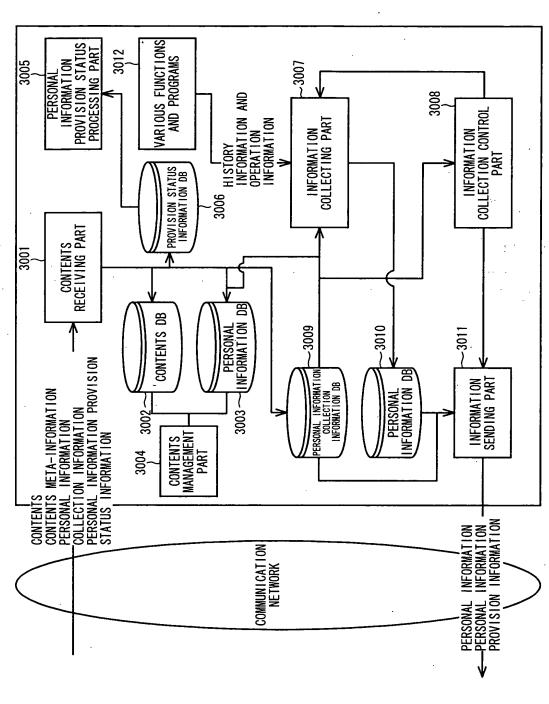


+





F16.3



ATTRIBUTE NAME	ATTRIBUTE VALUE
CONTENTS ID	C00001
STORAGE LOCATION	c:¥contents¥C00001
CONTENTS META INFORMATION ID	M00001

EXAMPLE OF EMBODYING A CONTENTS DB

ATTRIBUTE NAME	ATTRIBUTE VALUE
CONTENTS ID	C00001
CONTENTS NAME	STORAGE CONTENTS A00001
CONTENTS META INFORMATION ID.	M00001
CONTENTS SIZE	10Kbyte
CONTENTS VALIDATING START TIME	2001/01/01 13:00
CONTENTS VALIDATING END TIME	2001/01/31 13:00
CONTENTS DISCARD TIME	2001/02/01
CONTENTS SENDING START TIME	2000/12/30 14:00
CONTENTS SENDING END TIME	2000/01/01 13:00
CONTENTS TARGET USER	OVER 20 YEARS OF AGE
HISTORY TARGET USER	OVER 20 YEARS OF AGE
GENRE	SPORTS NEWS
CONTENTS DESCRIPTION	PROFESSIONAL BASEBALL MEMBER LIST
STORAGE LOCATION IN RECEIVER	DEPENDENT ON TERMINAL
STORAGE METHOD IN RECEIVER	DEPENDENT ON TERMINAL
COPYRIGHT INFORMATION	PRESENT
COPYRIGHT HOLDER	"A" SPORTS PUBLISHING COMPANY
CONTENTS PROVIDER	"A" SPORTS PUBLISHING COMPANY

NOT REQUIRED WITH RECEIVER

EXAMPLE OF EMBODYING A CONTENTS META-INFORMATION DB

ATTRIBUTE NAME	ATTRIBUTE VALUE
SCHEDULE ID	S00001
SENDING START TIME	2001/01/01 13:00
SENDING END TIME	2001/01/01 13:05
BANDWIDTH	1Kbyte
REPETITION COUNT	THREE TIMES OR MORE
TARGET CONTENTS	CONTENTS OF "A" SPORTS PUBLISHING COMPANY
NETWORK ID	0x01
TRANSPONDER ID	0x02
CANNEL ID	0x03

EXAMPLE OF EMBODYING A CONTENTS SENDING SCHEDULE DB 2006

F16. 7

SCHEDULE ID COOOO1	ווסמוד אורסד
COO0	
SENDING START TIME	
	2001/01/01 13:05
SENDING END TIME	2001/01/01 13:10
BANDWIDTH 0.5Mbps	
REPETITION COUNT THREE TIM	EE TIMES OR MORE
TARGET CONTENTS PERSONAL	PERSONAL INFORMATION COLLECTION INFORMATION OF CONTENTS OF "A" SPORTS PUBLISHING COMPANY
NETWORK 1D 0x01	
TRANSPONDER 1D 0x02	
CHANNEL ID 0x03	

EXAMPLE OF EMBODYING A PERSONAL INFORMATION COLLECTION INFORMATION SENDING SCHEDULE DB 2005

ATTRIBUTE NAME	ATTRIBUTE VALUE
SCHEDULE ID	CS00001
SENDING START TIME	2001/01/01 13:15
SENDING END TIME	2001/01/01 13:20
BANDWIDTH	0.5Mbps
REPETITION COUNT	THREE TIMES OR MORE
TARGET CONTENTS	USER CATEGORY (HOKKAIDO REGION)
NETWORK 1D	0x01
TRANSPONDER ID	0x02
CHANNEL ID	0x03

PERSONAL INFORMATION PROVISION INFORMATION SENDING SCHEDULE DB 2010

ATTRIBUTE NAME	ATTRIBUTE VALUE
SCHEDULE ID	PS00001
SENDING START TIME	2001/01/01 13:15
SENDING DESTINATION IP ADDRESS	202. 202. 2. 168
SENDING CONTENTS (USER INFORMATION ID)	Ú10001

USER INFORMATION SENDING SCHEDULE DB 2025

DATA STRUCTURE	BIT LENGTH
View_log_set_request	
Format_Version	8
Log_Activation_Time	40
Log_Expire_Time	40
Report_Send_Time	40
Log_Limit_Size	32
Threshold_of_Capacity	8
Target_Content_Number	16
for(i = 0; i < Target_Content_Number; i++) {	
Type_of_Match	
Kind_of_Match	3
Reserved	4
Uri_Length	16
for(j = 0 ; j < Uri_Length ; j++) {	
text_char	8
)	
	10
Signature_length	16
if(Signature_length != 0x0000) {	16
Signature_alogorithm	10
for(j = 0; j < Signature_length; j++) {	. 8
signature_byte	. 0

DATA STRUCTURE	BIT LENGTH
View_log_set_request	
Format_Version	8
Log_Activation_Time	40
Log_Expire_Time	40
Report_Send_Time	40
Log_Limit_Size	32
Threshold_of_Capacity	8
Before_Data	8
After Data	8
Target_Content_Number	16
for(i = 0; i < Target_Content_Number; i++) {	1.
Type_of_Match	1
Kind_of_Match	3
Reserved	4
Uri_Length	16
for(j = 0; j < Uri_Length; j++) {	
text_char	8
}	
}	
Signature_length	16
if(Signature_length != 0x0000) {	:
Signature_alogorithm	16
for($j = 0$; $j < Signature_length$; $j++$) {	
signature_byte	8
}	
}	

DATA STRUCTURE	BIT LENGTH	BIT STRING NOTATION
View_log_set_request() {		
command_id	16	uimsbf
command_length	32	uimsbf
viewlog_serial_number	16	uimsbf
viewlog_control_bit	1	bslbf
Reserved	1	bslbf
<pre>if(VIEWING HISTORY START INDICATION) {</pre>		
start_JST	40	bslbf
$\mathtt{end}_\overline{\mathtt{J}}\mathtt{ST}$		bslbf
num_targets		uimsbf
for $(i=0; i < num_targets; i++)$ {		
match_condition	4	bslbf
reserved_future_use		bslbf
uri_length		uimsbf
for $(j=0; j {$		
uri_text_ch	8	uimsbf
}		
}	1	
num_untargets	16	uimsbf
for (i=0; i <num_untargets; i++)="" td="" {<=""><td></td><td></td></num_untargets;>		
match_condition	4	bslbf
reserved_future_use		bslbf
uri_length	16	uimsbf
for(j=0; j <uri_length; j++)="" td="" {<=""><td></td><td></td></uri_length;>		
uri_text_ch	8	uimsbf
}	Į l	
}		•
}		

GENERAL FORMAT

TIME INFORMATION	40bit	
IDENTIFICATION NUMBER	8 bit	
TOG LEVEL	8 bit	
DATA LENGTH	16bit	16 bit BYTE COUNT OF FOLLOWING DATA
DATA	byte	byte LENGTH SPECIFIED IN DATA LENGTH

F1G. 14

TIME INFORMATION	40 bit	
IDENTIFICATION NUMBER	8 bit FIXED	FIXED
LOG LEVEL	8 bit FIXED	FIXED
DATA LENGTH	16 bit	16 bit FIXED (140)
Last turning channel(Network ID)	16bit	
Last turning channel(TS ID)	16 bit	
Last turning channel(Service ID)	16 bit	
USER IDENTIFICATION NUMBER	8bit	
URL	128 Byte	
Modify Time	40 bit	

F16. 15

TIME INFORMATION	40bit	
IDENTIFICATION NUMBER	8 bit	FIXED
TOG LEVEL	8 bit	8 bit Fixed
DATA LENGTH	16 bit	16 bit BYTE LENGTH OF FOLLOWING DATA
SYSTEM IDENTIFICATION NUMBER	8 bit	
MESSAGE LENGTH	16 bit	16 bit BYTE LENGTH OF FOLLOWING DATA
MESSAGE	Byte	

F1G. 16

TIME INFORMATION	40bit	
IDENTIFICATION NUMBER	8 bit	FIXED
TOG LEVEL	8 bit	FIXED
DATA LENGTH	16 bit	BYTE LENGTH OF FOLLOWING DATA
SYSTEM IDENTIFICATION NUMBER	8 bit	
MESSAGE LENGTH	16 bit	16 bit BYTE LENGTH OF FOLLOWING DATA
REMOTE CONTROL OPERATIONS	Byte	

DATA STRUCTURE	BIT LENGTH	BIT STRING NOTATION
ViewLog0 {		
view_log_status	16	uimsbf
report_terminal_item_number	32	uimsbf
for (i=0;i <report_terminal_item_number;i++) td="" {<=""><td>1</td><td></td></report_terminal_item_number;i++)>	1	
user_id	l 8	uimsbf
record_time_ JST	40	bslfb
target_category	8	uimsbf
<pre>if(target_category is contents reference) {</pre>		
target_text_length	16	uimsbf
for(j=0;j <tartget_text_length;j++){< td=""><td></td><td></td></tartget_text_length;j++){<>		
target_text_oh	8	uimsbf
}		ļ
if(contents storing update time are referred to){		Ì
<pre>modify_time_JST</pre>	40	bslbf
}		
<pre>}else if(viewing history start instruction is updated)</pre>		
viewlog_serial_number	16	uimsbf
}		
referer_category	8	uimsbf
<pre>if(referer category is contents reference) {</pre>		
referer_length	16	uimsbf
for(j=0;j <referer_length;j++){< td=""><td>1</td><td></td></referer_length;j++){<>	1	
referér_text_ch	8	uimsbf
}	1	
<pre>}else if(referer category is electronic mail) {</pre>]	
referer_message_id_length	8	uimsbf
for(j=0;j <referer_message_id_length+j++){< td=""><td></td><td></td></referer_message_id_length+j++){<>		
referer_message_id_text_ch	8	uimsbf
}		
}		
}		

ATTRIBUTE NAME	ATTRIBUTE VALUE
CUSTOMER ID	U00001
CONTRACT DATE	2001/01/01
SERVICE PROVISION START DATE	2001/01/01
CONTRACTOR NAME	TARO TANAKA
ZIP CODE	111-0011
ADDRESS	1-1-1, EDO, EDOGAWA-KU, TOKYO
TELEPHONE NO.	03-333-3333
FAMILY STRUCTURE	COUPLE AND CHILD
NUMBER OF FAMILY CUSTOMER ID	3
FAMILY CUSTOMER ID	U00001-01
FAMILY CUSTOMER ID	U00001-02
FAMILY CUSTOMER ID	U00001-03
RECEIVER ID	R0001
LAST MODIFICATION DATE	2000/12/20

CUSTOMER DB (CONTRACT INFORMATION)

ATTRIBUTE NAME	ATTRIBUTE VALUE	
FAMILY CUSTOMER ID	U00001-01	
CUSTOMER ID	U00001	
NAME	TARO TANAKA	
BIRTH DATE		1970/03/01
OCCUPATION	EMPLOYEE	
WORK PLACE	TRADING COMPANY	
E-mail address	taro@tanaka. ne. jp	
HOBBY	SPORTS WATCHING	
LAST MODIFICATION DATE		2000/12/20

CUSTOMER DB (PERSONAL INFORMATION)

ATTRIBUTE NAME	ATTRIBUTE VALUE
RECEIVER ID	R0001
MANUFACTURER NAME	"ASAHI" ELECTRIC CORPORATION
MODEL NUMBER	A-TU001
PRODUCT NUMBER	A000001
STORAGE CAPACITY	30GB
CUSTOMER ID	U00001
LAST MODIFICATION DATE	2000/12/20

RECEIVE DB

ATTRIBUTE NAME	ATTRIBUTE VALUE
INFORMATION PROVIDER ID	IP00001
CONTRACT NUMBER	KB00001
CONTRACT DATE	2001/01/01
CONTENTS PROVISION START DATE	2001/01/01
CONTENTS PROVISION END DATE	2001/01/01 13:00
CONTRACTOR NAME	"AB" PUBLISHING COMPANY
ZIP CODE	111-0011
ADDRESS	1-1-1, EDO, EDOGAWA-KU, TOKYO
TELEPHONE NUMBER	03-3333-3333
CONTENTS PROVISION FORM	NETWORK
CONTENTS PROVISION TIMING	13:00 EVERY DAY
USER INFORMATION PROVISION	PROVIDED
USER INFORMATION PROVISION FORM	NETWORK
USER INFORMATION PROVISION CONTENTS	ACCESS COUNT
LAST MODIFICATION DATE	2000/12/20

INFORMATION PROVIDER DB

ATTRIBUTE NAME	ATTRIBUTE VALUE
USER INFORMATION	R0001
INFORMATION FORMAT	COUNT
COUNT START TIME	2001/01/01 00:00
COUNT END TIME	2001/01/02 00:05
TARGET USER	ALL
URI	http://ab.co.jp/,index.html
COUNT VALUE	300
LAST UPDATE DATE	2001/01/02 00:05

USER INFORMATION DB

ATTRIBUTE NAME	ATTRIBUTE VALUE
USER INFORMATION	R0002
INFORMATION FORMAT	TRANSITION
COUNT START TIME	2001/01/01 00:00
COUNT END TIME	2001/01/02 00:05
TARGET USER	ALL
IMMEDIATELY PRECEDING URI	http://cd.co.jp/link/index.html
URI	http://ab.co.jp/index.html
COUNT VALUE	20
LAST UPDATE DATE	2001/01/02 00:05

USER INFORMATION DB(2)

	L. T. D. D. T. D.
ATTRIBUTE NAME	ATTRIBUTE VALUE
FAMILY CUSTOMER ID	U00001-01
CONTRACT NUMBER	KC00011
CENTER PROCESSING	OK
CENTER SPECIFIC DATA	NO .
CENTER COMPILED DATA	YES
DISCLOSURE TO THIRD PARTIES	YES
DISCLOSURE OF SPECIFIC DATA TO THIRD PARTIES	NO
DISCLOSURE OF COMPILED DATA TO THIRD PARTIES	YES
DISCLOSURE START TIME	2001/01/01 00:00
DISCLOSURE END TIME	2001/01/31 00:00
DATA EFFECTIVENESS END TIME	2001/02/28 00:00
DISCLOSURE OF PERSONAL DATA TO THIRD PARTIES	NO
DISCLOSURE CONTENTS OF PERSONAL DATA TO THIRD PARTIES	
LAST UPDATE TIME	2001/01/02 00:05

PERSONAL INFORMATION PROVISION INFORMATION

ATTRIBUTE NAME	ATTRIBUTE VALUE
FAMILY CUSTOMER ID	U00001-01
CONTRACT NUMBER	KC00011
DATA TARGET START TIME	2001/01/01 00:00
DATA TARGET END TIME	2001/01/15 00:00
NUMBER OF DISCLOSURES TO'THIRD	10
LAST UPDATE TIME	2001/01/02 00:05

PERSONAL INFORMATION PROVISION STATUS INFORMATION

START	
REGISTER CONTENTS AND CONTENTS META-INFORMATION BROADCASTING STATION OR CENTER SYSTEM FROM INFORMATION PROVIDER	~240 1
THE BROADCASTING STATION OR CENTER SYSTEM REGISTER CONTENTS IN CONTENTS DB AND CONTENTS META-INFORMATION IN CONTENTS META-INFORMATION DB	2402
THE CONTENTS SENDING PART SENDS THE CONTENTS OF CONTENTS DB AND CONTENTS META-INFORMATION TO A RECEIVER ACCORDING TO THE CONTENTS OF CONTENTS SENDING SCHEDULE DB	2403
THE RECEIVER REGISTERS CONTENTS AND CONTENTS META-INFORMATION FROM BROADCASTING STATION OR CENTER SYSTEM IN CONTENTS DB AND CONTENTS META-INFORMATION DB RESPECTIVELY	~ 2404
UPON ARRIVAL OF A CONTENTS PRESENTATION REQUEST FROM USER, THE CONTENTS MANAGEMENT PART CHECKS RELEVANT CONTENTS FOR VALIDITY, AND IF VALID, PRESENTS THE CONTENTS	<u> 2405 </u>
THE CONTENTS TO BE PRESENTED ARE COMPARED WITH THE CONTENTS OF PERSONAL INFORMATION COLLECTION INFORMATION DB, AND IF THE CONTENTS ARE ELIGIBLE FOR LEAVING OPERATION HISTORY IN PERSONAL INFORMATION DB	~2406
THE INFORMATION COLLECTION CONTROL PART CONSULTS PERSONAL INFORMATION COLLECTION INFORMATION DB, AND WHEN PERSONAL INFORMATION SENDING TIME IS REACHED, REQUESTS THE INFORMATION SENDING PART TO SEND THE CONTENTS	~2407
V	
FOR THE REQUEST FROM THE INFORMATION COLLECTION CONTROL PART, THE INFORMATION SENDING PART ESTABLISHES A LINE TO THE BROADCASTING STATION OR CENTER SYSTEM IF NECESSARY, AND SENDS THE CONTENTS OF THE PERSONAL INFORMATION COLLECTING PART OF THE BROADCASTING STATION OR CENTER SYSTEM. AFTER THE SENDING, IF NECESSARY, SENT INFORMATION IS DELETED FROM THE PERSONAL INFORMATION DB	~2408
THE BROADCASTING STATION OR CENTER SYSTEM RECEIVES PERSONAL INFORMATION SENT FROM THE RECEIVER IN THE PERSONAL INFORMATION COLLECTING PART AND REGISTERS IT IN THE PERSONAL INFORMATION DB	2409
THE DEDOCAL INCORNATION PROCESSING DADY DEFENO. TO THE	
THE PERSONAL INFORMATION PROCESSING PART REFERS TO THE PERSONAL INFORMATION DB, CUSTOMER DB, RECEIVER DB AND INFORMATION PROVIDER DB WITHIN A RANGE OF THE PERSONAL INFORMATION PROVISION INFORMATION DB TO ANALYZE AND COMPILE USER'S OPERATION HISTORY. ANALYZED AND COMPILED INFORMATION IS REGISTERED IN THE USER INFORMATION DB	~2410
THE RECORD CASTING STATION OF CENTER CONCULT THE	
THE BROADCASTING STATION OR CENTER SYSTEM CONSULT THE CONTENTS OF THE USER INFORMATION SENDING SCHEDULE DB AND THE INFORMATION PROVIDER DB, AND ACCORDING TO THE CONTENTS, THE USER INFORMATION SENDING PART SENDS USER INFORMATION TO INFORMATION PROVIDER	~2411
END	